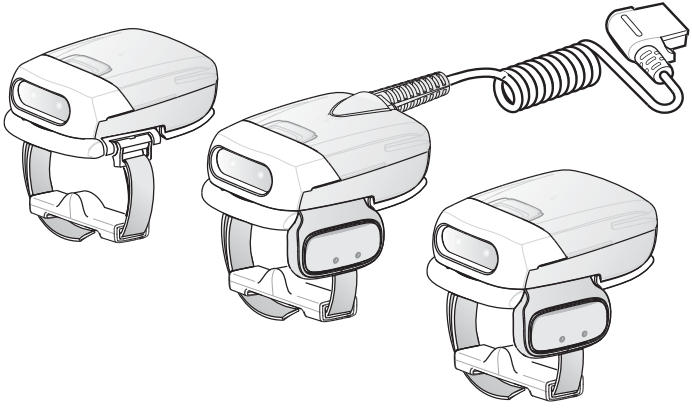
RS507 Hands-Free Imager

Quick Reference Guide



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Warranty

For the complete Motorola hardware product warranty statement, go to: www.motorola.com/enterprisemobility/warranty.

Patents

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Introduction

The RS507 Hands-Free Imager (also referred to as the Imager) is a wearable bar code scan solution for both 1D and 2D bar code symbologies. The Imager is also compatible with a wide range of mobile computers communicating over Bluetooth.

The Imager is designed for a wide range of applications from management of products in a warehouse, to processing deliveries at a courier facility to processing prescription drugs at the pharmaceutical distribution center.

The Imager uses camera-based scanning technology, designed to offer flexible hands-free operation with ergonomic comfort for right or left hand users.

The Imager can be operated in both manual and auto-triggering modes. Auto-triggering is a patent-pending Intelligent Sensing Technology combining motion and proximity sensing for triggering the Imager.

The Imager is built to last and rated for indoor and outdoor daily use in scan-intensive environments. Built on a magnesium chassis, the Imager offers the durability associated with the most rugged mobile computers.

About this Guide

This guide provides basic information on the following topics:

- *Cordless Configuration Features on page 5*
- *Corded Configuration Features on page 6*
- *Getting Started - Cordless Configuration on page 8*
- *Getting Started - Corded Configuration on page 9*
- *Status Indications on page 11*
- *Bluetooth Connection on page 12*
- *Scan on page 14*
- *Customize the Imager on page 16*
- *Resetting the Imager on page 18*
- *Troubleshooting on page 19*
- *Field Replaceable Parts on page 20*
- *Cleaning on page 24*
- *Regulatory Information on page 24*
- *Health and Safety Recommendations on page 25*
- *Batteries on page 29*

For more information, refer to the RS507 Hands-Free Imager Product Reference Guide, p/n 72E-120802-01 available at: www.motorola.com/enterprisemobility/manuals.

Unpacking the Imager

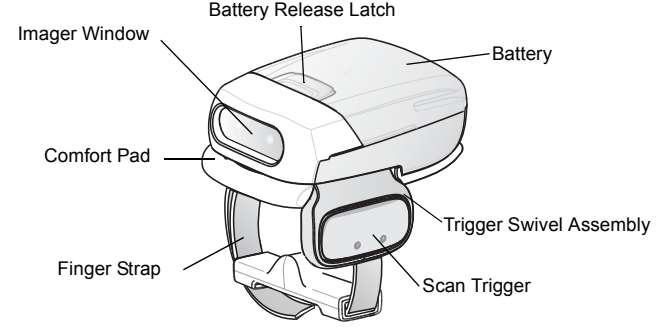
After opening the shipping box, inspect the contents. You should have received the following:

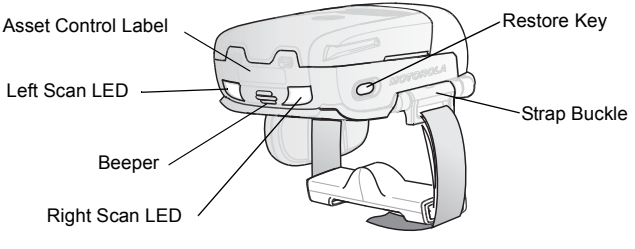
Model	Description	Standard Battery	Extended Battery	Corded Adapter	Trigger	Quick Reference Guide
RS507-IM2xxxxSTWR	Triggered RS507 with standard battery.	✓			✓	✓
RS507-IM2xxxxSNWR	Triggerless RS507 with standard battery.	✓				✓
RS507-IM2xxxxENWR	Triggerless RS507 with extended battery.		✓			✓
RS507-IM2xxxxCTWR	Corded and Triggered RS507.			✓	✓	✓

Inspect the equipment for damage. If you are missing any equipment or if you find any damaged equipment, contact Motorola Enterprise Mobility Support immediately. See *Service Information on backcover* for contact information.

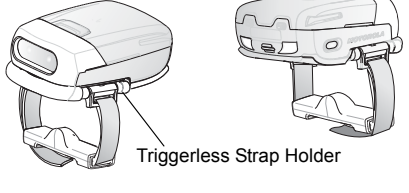
Cordless Configuration Features

Trigger Configuration

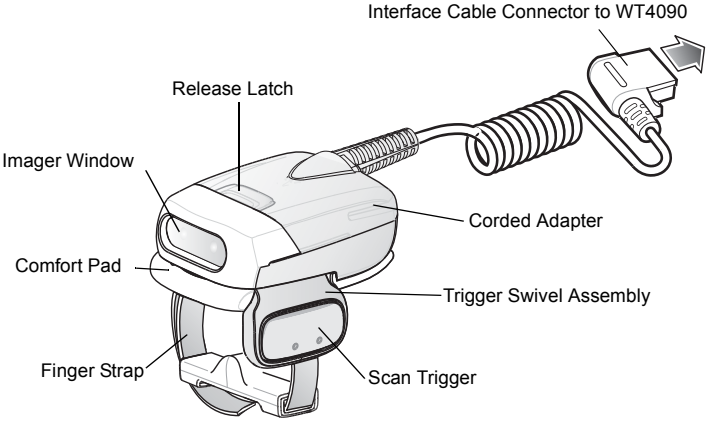


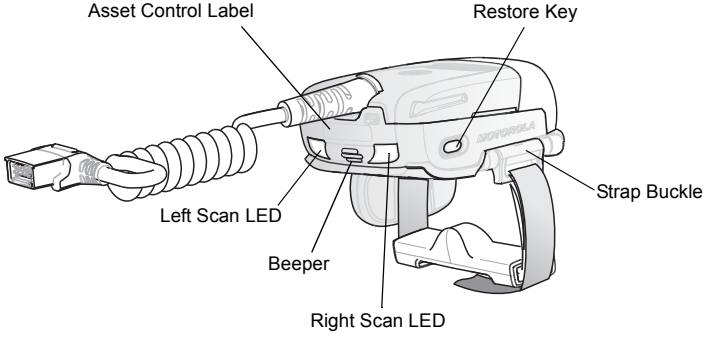


Triggerless Configuration



Corded Configuration Features

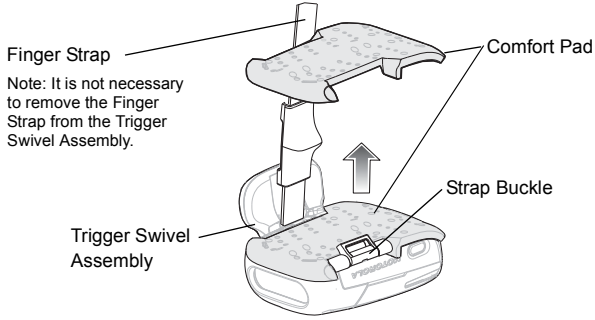




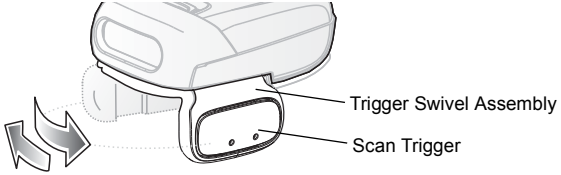
Change Trigger Position

The Trigger Swivel Assembly of the Imager rotates to provide left-hand or right-hand use.

1. From the bottom of the Imager, hold and pull the Comfort Pad out of the Imager.


Finger Strap
Note: It is not necessary to remove the Finger Strap from the Trigger Swivel Assembly.
Comfort Pad
Strap Buckle
Trigger Swivel Assembly

2. Determine whether the Imager is used on the right or left hand and rotate the Trigger Swivel Assembly.



CAUTION The Trigger Swivel Assembly only rotates 180° around the bottom of the Imager. Do not rotate the Trigger Swivel Assembly past the designed stops.

3. Rotate the Trigger Swivel Assembly so that the Scan Trigger is positioned next to the thumb when the Imager is placed on the index and middle fingers.
4. Position the Comfort Pad onto the Imager.
5. Press the Comfort Pad onto the Imager. When properly installed, the Comfort Pad “locks” into place.
6. Insert the Finger Strap into the Strap Buckle.

Getting Started - Cordless Configuration

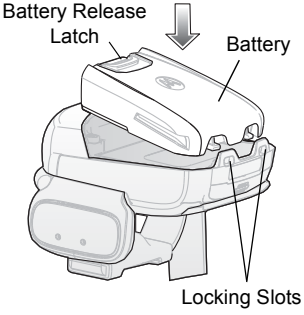
Charge the Battery

Before using the Imager, charge the battery. The 8-Bay Battery Charger supports both standard and extended capacity batteries.

To charge the Imager battery, refer to the SAC5070 8-Bay Battery Charger Quick Reference Guide, p/n 72-11589-01 available at: www.motorola.com/enterprisemobility/manuals.

Install the Battery

1. Align the Battery on top of the Imager.
2. Push the battery all the way into the Locking Slots of the Imager.
3. Firmly press the Battery into the Imager until a “click” is heard ensuring the Battery Release Latch is fully engaged with the Imager.

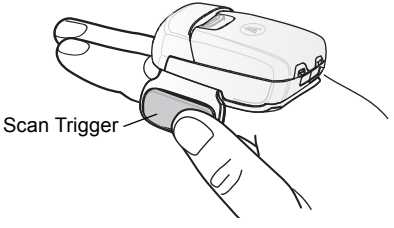


Remove the Battery

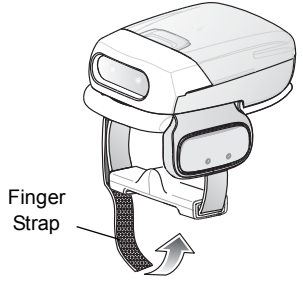
1. Hold the Imager in one hand.
2. Press the Battery Release Latch.
3. Pull up the Battery to release from the Locking Slots of the Imager.

Wear the Imager

1. Slide the Imager onto the index and middle fingers with the Scan Trigger next to the thumb.



2. Tighten the Finger Strap.



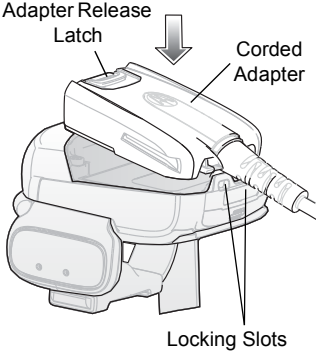
NOTE When using the Imager for the first time, after power up, press and release the Scan Trigger to enable the manual triggering mode (this operation disables the default auto triggering mode).

Getting Started - Corded Configuration

In order to start using the Imager you must install the Corded Adapter.

Connect Corded Adapter

1. Align the Corded Adapter on top of the Imager.
2. Push the Corded Adapter all the way into the Locking Slots of the Imager.
3. Firmly press the Corded Adapter into the Imager until a “click” is heard ensuring the Adapter Release Latch is fully engaged with the Imager.



Remove the Corded Adapter

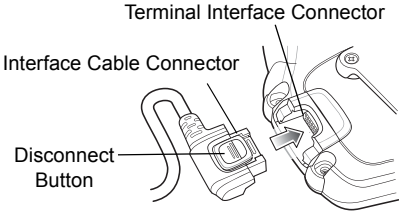
1. Hold the Imager in one hand.
2. Press the Adapter Release Latch.
3. Pull up the Corded Adapter to release from the Locking Slots of the Imager.

Connect to a Wearable Terminal

The Imager connects to a terminal and mounts on the fingers.

To connect the Imager to the terminal:

1. On the terminal, remove the cover from the Terminal Interface Connector.
2. Connect the Interface Cable Connector of the Imager to the Terminal Interface Connector.

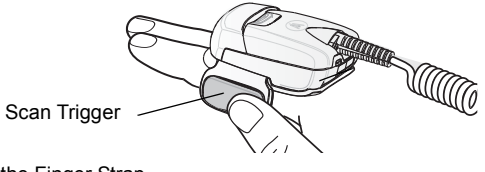


To disconnect the Imager from the terminal:

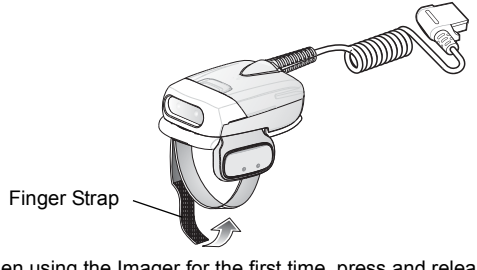
1. Press the Disconnect Button on the Interface Cable Connector.
2. Pull the Interface Cable Connector out of the terminal.

Wear the Imager

1. Slide the Imager onto the index and middle fingers with the Scan Trigger next to the thumb.



2. Tighten the Finger Strap.



NOTE When using the Imager for the first time, press and release the Scan Trigger to enable the manual triggering mode (this operation disables the default auto triggering mode).

Status Indications

The Imager has two Scan LEDs that provide identical indications. The Imager is also equipped with a beeper that generates sound indications in variable tones.

NOTE In the corded configuration, beep indications are emitted only from the connected terminal.

No.	LED	Beep Indication	Description
1.	None	High/low	Bluetooth communication is disconnected.
2.	Short green flashes	None	Attempting to connect over Bluetooth.
3.	None	Low/high	Imager is connected over Bluetooth.
4.	None	High/low	Bluetooth communication is disconnected - Imager is out of range.
5.	None	high/low/high/low	Properly decoded scan of Bluetooth pairing bar code.
6.	None	Long low/ long high/	Bluetooth connection attempt failed.
7.	None	Long low/ long high/ Long low/ long high/	Bluetooth connection attempt is rejected.
8.	One green flash	High	Proper scanning indication.
9.	None	4 long beeps	No Bluetooth communication after reconnection failure.
10	Red flash	2 short beeps	Low battery.
11	Long red flash followed by a green flash	High/low High/low	Clean boot was performed successfully.

Bluetooth Connection

Establish Bluetooth Connection

To establish Bluetooth connection with a mobile computer:

1. Ensure that the Imager is within a range of 10 meters (30 feet) from the mobile computer.
2. Install the battery in the Imager.
3. Launch the Bluetooth Device (BD) Address application on the mobile computer. Most BD Address applications display a pairing bar code image on the screen of the mobile computer.
4. Scan a pairing barcode from the mobile computer screen or a provided label. The Imager emits one string of high/low/high/low beeps.
5. The Scan LED starts flashing green indicating that the Imager is attempting to establish connection with a mobile computer.
6. When connection is established, the Scan LED turns off and the Imager emits one string of low/high beeps. The Imager is connected and ready for scanning.

NOTE When replacing the Imager battery, the Imager memory retains the pairing information of the last paired mobile computer.

Remove Bluetooth Connection

NOTE Removing Bluetooth connection is only required if the Imager is configured for auto-connect on power on and has to be paired with a different terminal.

1. Scan an unpairing bar code label for disconnecting the Imager from the mobile computer.
2. The Imager emits one string of high/low beeps indicating that Bluetooth communication with the mobile computer is disconnected.

Restore Lost Bluetooth Connection

The Imager maintains Bluetooth communication with a mobile computer within a range of 10 meters (30 feet). When the Imager fails to establish connection or connection is lost during operation, the Imager emits one string of low/high beeps.

To reestablish the Bluetooth connection with a mobile computer:

1. Ensure that the Imager is within a range of 10 meters (30 feet) from the mobile computer.

2. Ensure that the mobile computer is “on and awake” (not in Suspend mode).
3. The Imager automatically attempts reconnecting to the mobile computer for 30 seconds (Scan LED flashes green). If automatic re-connection fails, verify that the Imager is within Bluetooth range and briefly press the Restore Key on the Imager to reconnect.
4. The Scan LED starts flashing green indicating that the Imager is attempting to establish connection with a mobile computer.
5. The Scan LED turns off and the Imager emits one string of low/high beeps indicating that the Imager is connected and ready for scanning.

Scan

The Imager uses digital camera technology to take an image of a bar code and software decoding algorithms are executed to extract the bar code data from the image.

Scan Triggering Modes

Manual Triggering (Triggered models only)

1. Launch a scanning software application on the mobile computer.
2. Position the Imager approximately 9 inches (22.8 cm) from a bar code label and press the Scan Trigger. Position the cross hair laser beam to cover the bar code. The Imager takes a digital picture (image) of the bar code and stores it in memory for decoding.

NOTE After battery is inserted or a corded adaptor is connected (on both sides), the first trigger press disables the auto triggering mode.

3. One green flash and a high beep sounds to indicate that the bar code was properly decoded.

NOTE In some applications, proper decoding of a bar code is indicated by a software application running on the mobile computer.

Auto-triggering (Triggerless models only)

The Imager is provided with auto-triggering capability. In auto-triggering mode, both motion and proximity sensors are used to trigger the Imager when the user intends to scan a bar code.

With auto-triggering activated, the Imager automatically scans when motion stops and a bar code is placed within the depth of field of the Imager. The Imager scans the bar code and turns off to conserve power. The Imager can also be configured to a single or continued scan operation. The motion and proximity features are enabled by default and can be re-configured by the user (see RS507 Hands-Free Imager Product Reference Guide, p/n 72E-120802-01).

To scan a bar code in auto-triggering mode:

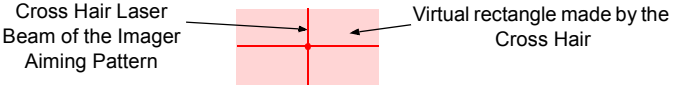
1. Position the Imager approximately 9 inches (22.8 cm) from a bar code label.
2. Hold the Imager steady, aiming at the bar code.
3. The Imager takes a picture (image) of the bar code and stores it in memory for decoding.

4. One green flash of the Scan LED and a high beep indicates that a bar code was properly decoded.

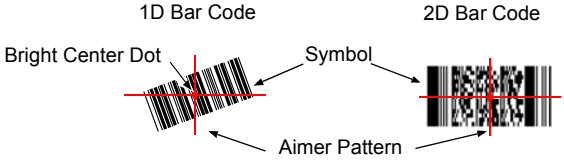
NOTE In some applications, proper decoding of a bar code is indicated by a software application running on the mobile computer.

Aiming the Imager

The aiming pattern of the Imager is a cross hair laser beam with bright center dot (shown below). The virtual rectangle made by the cross hair reflects the field of view of the Imager. The aiming pattern is used to position the bar code within the field of view.



1. Enter the symbol in any orientation within the virtual rectangle made by the cross hair lines, making use of its omnidirectional reading capability within the entire field of view



The imager can also read a bar code presented within the aiming pattern but not centered, such as the figure below on the left. The figure on the right, however, may not be decoded.

NOTE When using the application on your mobile computer in “Pick List” mode, the Bright Center Dot can be positioned anywhere on the symbol.

Right

Wrong

The aiming pattern is smaller when the Imager is closer to the symbol and larger when it is farther from the symbol. Scan symbols with smaller bars or elements (mil size) closer to the Imager and those with larger bars or elements (mil size) farther from the Imager.

2. Hold the Imager between two and eleven inches from the bar code (depending on the bar code density).

NOTE When a symbol is under transparent plastic or on a mobile computer screen, it is recommended to use a tilt (pitch) or skew scan angle to avoid reflection.

3. Press the Scan Button. The aiming pattern illuminates red indicating that the laser is on. One green flash of the Scan LED and a high beep indicates that a bar code was properly decoded.

Customize the Imager

Changing from Trigger to Triggerless Configuration

To Change from Trigger to Triggerless configuration:

1. Remove the Comfort Pad (See *Comfort Pad Replacement on page 21*).
2. Remove the Trigger Swivel Assembly (See *Trigger Swivel Assembly Replacement on page 21*).
3. Install the Triggerless Strap Holder (See *Triggerless Strap Holder Replacement on page 22*).
4. Install the Comfort Pad (See *Comfort Pad Replacement on page 21*).
5. Perform a cold boot (See *Cold Boot on page 18*).

Changing Triggerless to Trigger Configuration

To change from Triggerless to Trigger configuration:

1. Remove the Comfort Pad (See *Comfort Pad Replacement on page 21*).

2. Remove the Triggerless Strap Holder (See *Finger Strap Replacement (Triggerless Strap Holder) on page 23*).
3. Install the Trigger Swivel Assembly (See *Trigger Swivel Assembly Replacement on page 21*).
4. Install the Comfort Pad (See *Comfort Pad Replacement on page 21*).
5. Perform a cold boot (See *Cold Boot on page 18*).
6. Press and release the Scan Trigger to enable the manual triggering mode (this operation disables the default Triggerless mode).

NOTE When the Imager is used with the WT4090, Triggerless mode can also be disabled from the WT4090.

Changing the Imager Behavior

The Imager operation can be configured by scanning custom bar code tables. The following table provides examples of configurable Imager features. For more information, refer to the RS507 Hands-Free Imager Product Reference Guide, p/n 72E-120802-01.

Feature	Description	Default Setting
Beep on reconnection attempt.	When this parameter is enabled, the Imager emits a low/high beep when Bluetooth link is reconnected.	Disabled.
Motion sensing.	When this parameter is enabled, the Imager automatically scans when motion stops in front of the Imager and a bar code is placed within the depth of field of the Imager.	Enabled for triggerless model. Disabled for triggered model.
Proximity sensing.	When this parameter is enabled, the Imager automatically scans when sensing proximity to an object and a bar code is placed within the depth of field of the Imager.	Enabled for triggerless model. Disabled for triggered model.
Proximity distance.	When using proximity sensing, you can set proximity distance to Short, Mid or Long.	Long.
Low battery indication.	When this parameter is enabled, the Imager flashes red every 15 seconds when battery power is low.	Disabled.

Feature	Description	Default Setting
Bluetooth auto connect.	The Imager automatically tries to reconnect to a remote device when a disconnection occurs that is due to the radio losing communication. This can happen if the Imager goes out of the mobile computer range. The following auto connect options are available: • None • On power up • Back in Bluetooth range • On power up & back in Bluetooth range	Back in Bluetooth range.

Resetting the Imager

If the Imager stops responding to an input, perform a cold boot.

To restore the Imager to its factory default configuration, perform a clean boot.

Cold Boot

Cold boot restores the Imager operation by resetting its software. To perform a cold boot, remove and re-insert the battery into the Imager. When using a corded Imager model with WT4090, remove and reconnect the interface cable that connects between the Imager and the WT4090.

Clean Boot

Clean boot restores the Imager to its factory default configuration.

To perform clean boot:

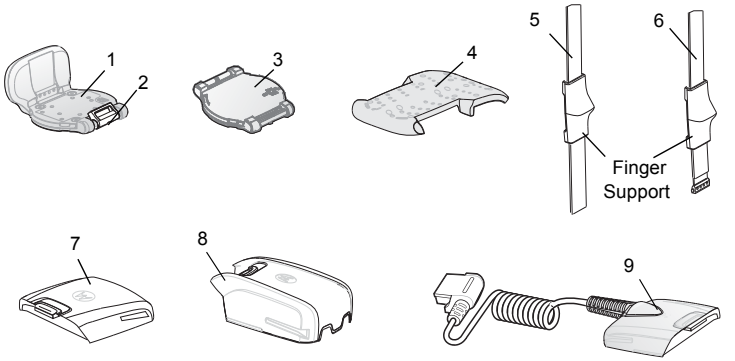
1. Remove the battery or Corded Adapter from the Imager.
2. Press and hold the Restore Key.
3. Insert the Battery or Corded Adapter to the Imager.
4. Keep holding the Restore Key pressed for about five seconds until a chirp is heard and the Scan LEDs flash green. The Imager is now in its factory default configuration.

Troubleshooting

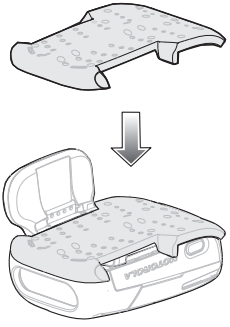
Problem	Cause	Solution
Laser aiming pattern does not display when pressing the Scan Trigger.	Corded: Interface cable is not secure. Cordless: Battery is not charged.	Verify that the interface cable is properly connected. Replace or charge the battery.
	Power is not applied to Imager.	Corded: Verify that the mobile computer has a charged battery installed. Cordless: Replace or Charge Imager battery.
	Scan application on the mobile computer is not functioning.	Restart the scanning application on the mobile computer.
	Imager software does not respond.	Reset the Imager (See *Resetting the Imager on page 18*).
Imager does not decode a bar code.	Bar code is unreadable.	Verify that the bar code is not defective, i.e., smudged or damaged.
	Exit window is dirty.	Clean exit window with a lens tissue. Tissues for eyeglasses work well. Do not use tissues coated with lotion.
	Bar code symbology is not supported or enabled.	See your system administrator.
	Cordless: Bluetooth link is disconnected.	Reestablish Bluetooth connection (See *Establish Bluetooth Connection on page 12*).

Field Replaceable Parts

	Part	Description
1	KT-CLMPT-RS507-01R	Trigger Swivel Assembly.
2	KT-BKL-RS507-10R	Set of 10 Strap Buckles.
3	KT-CLMPN-RS507-01R	Triggerless Strap Holder.
4	KT-PAD-RS507-10R	Set of 10 Comfort Pads.
5	KT-STRPN-RS507-10R	Set of 10 Triggerless Finger Strap with Finger Support.
6	KT-STRPT-RS507-10R	Set of 10 Trigger Finger Strap with Finger Support.
7	KTBTRYRS50EAB00-01	Standard Battery.
8	KTBTRYRS50EAB02-01	Extended Battery.
9	ADPTRWT-RS507-R	Corded Adapter.



Comfort Pad Replacement



Removal

Hold and pull the Comfort Pad off the Imager.

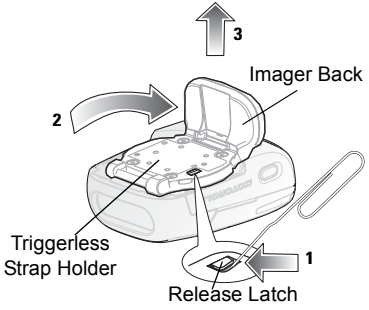
Installation

1. Position the Comfort Pad onto the Imager as shown.
2. Press the Comfort Pad onto the Imager. When properly installed, the Comfort Pad locks into place.

Trigger Swivel Assembly Replacement

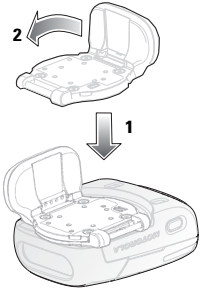
Removal

1. Turn the Imager upside-down.
2. Remove the Comfort Pad.
3. Use a paper clip or similar object to press the Release Latch.
4. Rotate the Trigger Swivel Assembly (or Triggerless Strap Holder) to align with the back of the Imager.
5. Lift the Trigger Swivel Assembly off the Imager.



Installation

1. Turn the Imager upside-down.
2. Position the Trigger Swivel Assembly to align with the back of the Imager.
3. Lower the Trigger Swivel Assembly to the Imager.
4. Rotate Trigger Swivel Assembly 1/4 turn counterclockwise.

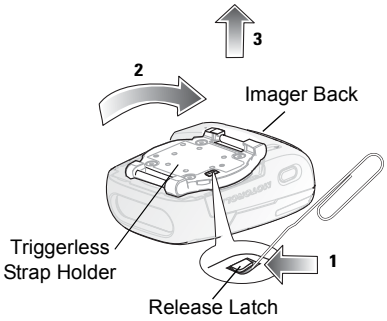


5. Press the Comfort Pad onto the Imager. When properly installed, the Comfort Pad "locks" into place.
   Note: An optional Triggerless Strap Holder should be installed when the Imager is intended to be used in Motion and Proximity Initiated Bar code Read mode.

Triggerless Strap Holder Replacement

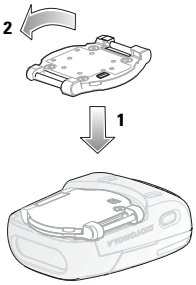
Removal

1. Turn the Imager upside-down.
2. Remove the Comfort Pad.
3. Use a paper clip or similar object to press the Release Latch.
4. Rotate the Triggerless Strap Holder to align with the back of the Imager.
5. Lift the Triggerless Strap Holder off the Imager.



Installation

1. Turn the Imager upside-down.
2. Position the Triggerless Strap Holder to align with the back of the Imager.
3. Lower the Triggerless Strap Holder to the Imager.
4. Rotate Triggerless Strap Holder 1/4 turn counterclockwise.



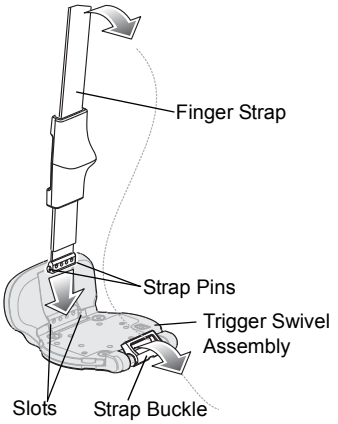
Finger Strap Replacement (Trigger Swivel Assembly)

Removal

1. Remove the Finger Strap from the Strap Buckle.
2. Pull the Finger Strap out of the Trigger Swivel Assembly.

Installation

1. Align a new Finger Strap with the Slots in the Trigger Swivel Assembly.
2. Gently press the Strap Pins to engage with the slots of the Trigger Swivel Assembly. The Strap Pins snap into the slots.
3. Slip the Finger Strap through the Strap Buckle.



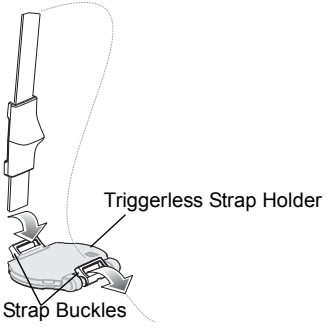
Finger Strap Replacement (Triggerless Strap Holder)

Removal

Remove the Finger Strap from the Strap Buckles.

Installation

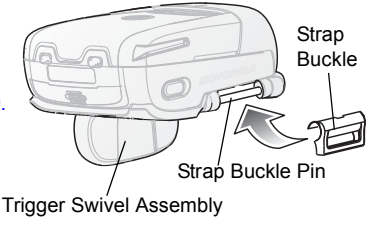
Slip the Finger Strap through the Strap Buckles.



Strap Buckle Replacement

Removal

1. Remove the Trigger Swivel Assembly (See *Trigger Swivel Assembly Replacement on page 21).*
2. Press the Strap Buckle out of the Strap Buckle Pin.



Installation

1. Align the pin slot of the Strap Buckle with the Strap Buckle Pin.
2. Gently, press the pin slot of the Strap Buckle to engage with the Strap Buckle Pin. The pin slot snaps onto the Strap Buckle Pin.
3. Install the Trigger Swivel Assembly (See *Trigger Swivel Assembly Replacement on page 21*).

Cleaning

Wipe the exit window periodically with a lens tissue or other material suitable for cleaning eyeglasses.

CAUTION Do not pour, spray, or spill any liquid on the Imager.

The gold plated battery contacts do not tarnish or oxidize. No maintenance should be needed. If the contacts need to be cleaned:

1. Wet the tip of a cotton swab with isopropyl alcohol and squeeze the excess alcohol from the swab.
2. Wipe the metal contacts with the damp swab.

Regulatory Information

This device is approved under the Enterprise Mobility business of Motorola, Inc. ("Motorola").

This guide applies to Model Number RS507.

All Motorola devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required.

Local language translations are available at the following website: www.motorola.com/enterprisemobility/support.

CAUTION Any changes or modifications to Motorola equipment, not expressly approved by Motorola, could void the user's authority to operate the equipment.
Only use Motorola approved and UL Listed accessories, battery packs and battery chargers.
Do NOT attempt to charge damp/wet mobile computers or batteries. All components must be dry before connecting to an external power source.

Bluetooth® Wireless Technology

This is an approved Bluetooth® product. For more information or to view End Product Listing, please visit http://www.bluetooth.org/tpg/listings.cfm

Wireless Device Country Approvals

Regulatory markings, subject to certification, are applied to the device signifying the radio(s) is/are approved for use in the following countries: United States, Canada, Japan, China, S. Korea, Australia, and Europe (see note below).

Please refer to the Motorola Declaration of Conformity (DoC) for details of other country markings. This is available at www.motorola.com/enterprisemobility/doc.

Note: For 2.4GHz Products: Europe includes, Austria, Belgium, Bulgaria, Czech Republic, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Health and Safety Recommendations

Ergonomic Recommendations

CAUTION In order to avoid or minimize the potential risk of ergonomic injury follow the recommendations below. Consult with your local Health & Safety Manager to ensure that you are adhering to your company's safety programs to prevent employee injury.

- Reduce or eliminate repetitive motion
- Maintain a natural position

- Reduce or eliminate excessive force
- Keep objects that are used frequently within easy reach
- Perform tasks at correct heights
- Reduce or eliminate vibration
- Reduce or eliminate direct pressure
- Provide adjustable workstations
- Provide adequate clearance
- Provide a suitable working environment
- Improve work procedures.

⚠ Warnings for Use of Wireless Devices

Please observe all warning notices with regard to the usage of wireless devices.

Potentially Hazardous Atmospheres - Vehicles Use

You are reminded of the need to observe restrictions on the use of radio devices in fuel depots, chemical plants etc. and areas where the air contains chemicals or particles (such as grain, dust, or metal powders) and any other area where you would normally be advised to turn off your vehicle engine.

Safety in Hospitals

Wireless devices transmit radio frequency energy and may affect medical electrical equipment.
Wireless devices should be switched off wherever you are requested to do so in hospitals, clinics or healthcare facilities. These requests are designed to prevent possible interference with sensitive medical equipment.

Pacemakers

Pacemaker manufacturers recommended that a minimum of 15cm (6 inches) be maintained between a handheld wireless device and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with independent research and recommendations by Wireless Technology Research.

Persons with Pacemakers:

- Should ALWAYS keep the device more than 15cm (6 inches) from their pacemaker when turned ON.
- Should not carry the device in a breast pocket.

- Should use the ear furthest from the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn OFF your device.

Other Medical Devices

Please consult your physician or the manufacturer of the medical device, to determine if the operation of your wireless product may interfere with the medical device.

⚠ RF Exposure Guidelines

Safety Information

Reducing RF Exposure - Use Properly

Only operate the device in accordance with the instructions supplied.

International

The device complies with internationally recognized standards covering human exposure to electromagnetic fields from radio devices. For information on "International" human exposure to electromagnetic fields refer to the Motorola Declaration of Conformity (DoC) at: www.motorola.com/enterprisemobility/doc.

EU

Handheld Devices

This device was tested for typical body-worn operation. Use only Motorola tested and approved belt-clips, holsters, and similar accessories to ensure EU Compliance.

US and Canada

Handheld Devices

This device was tested for typical body-worn operation. Use only Motorola tested and approved belt-clips, holsters, and similar accessories to ensure FCC Compliance. The use of third-party belt-clips, holsters, and similar accessories may not comply with FCC RF exposure compliance requirements, and should be avoided.

⚠ Laser Devices

Complies with 21CFR1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated, June 24, 2007, and IEC 60825-1 (Ed. 2.0) EN60825-1:2001+2007.

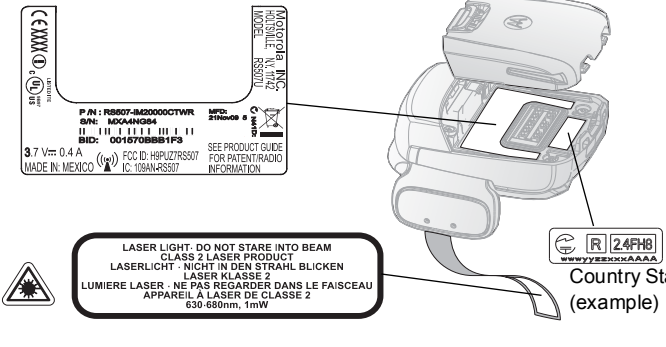
The laser classification is marked on one of the labels on the device.

Class 1 Laser devices are not considered to be hazardous when used for their intended purpose. The following statement is required to comply with US and international regulations:

Caution: Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous laser light exposure.

Class 2 laser Imagers use a low power, visible light diode. As with any very bright light source, such as the sun, the user should avoid staring directly into the light beam. Momentary exposure to a Class 2 laser is not known to be harmful.

Imager Labeling



Batteries

Taiwan - Recycling

「廢電池請回收」

EPA (Environmental Protection Administration) requires dry battery producing or importing firms in accordance with Article 15 of the Waste Disposal Act are required to indicate the recycling marks on the batteries used in sales, giveaway or promotion. Contact a qualified Taiwanese recycler for proper battery disposal.

Battery Information

Motorola rechargeable battery packs are designed and constructed to the highest standards within the industry.

However, there are limitations to how long a battery can operate or be stored before needing replacement. Many factors affect the actual life cycle of a battery pack, such as heat, cold, harsh environmental conditions and severe drops.

When batteries are stored over six (6) months, some irreversible deterioration in overall battery quality may occur. Store batteries at half of full charge in a dry, cool place, removed from the equipment to prevent loss of capacity, rusting of metallic parts and electrolyte leakage. When storing batteries for one year or longer, the charge level should be verified at least once a year and charged to half of full charge.

Replace the battery when a significant loss of run time is detected.

Standard warranty period for all Motorola batteries is 3 months, regardless if the battery was purchased separately or included as part of the mobile computer or bar code scanner. For more information on Motorola batteries, please visit: http:/mysymbolcare.symbol.com/battery/batbasics1.html

Battery Power

Standard battery (Li-Ion 970 mAh, 3.7 V) enables up to 35,000 scans (continuous) or up to 10 hours with 900 scans per hour on a single charge using fresh batteries.

Extended battery (Li-Ion 1940 mAh, 3.7 V) enables up to 70,000 scans (continuous) or up to 20 hours with 900 scans per hour on a single charge using fresh batteries.

Battery Safety Guidelines

- The area in which the units are charged should be clear of debris and combustible materials or chemicals. Particular care should be taken where the device is charged in a non commercial environment.

- Follow battery usage, storage, and charging guidelines found in the user's guide.
- Improper battery use may result in a fire, explosion, or other hazard.
- To charge the mobile device battery, the battery and charger temperatures must be between +32 ºF and +104 ºF (0 ºC and +40 ºC)
- Do not use incompatible batteries and chargers. Use of an incompatible battery or charger may present a risk of fire, explosion, leakage, or other hazard. If you have any questions about the compatibility of a battery or a charger, contact Motorola Enterprise Mobility support.
- Do not disassemble or open, crush, bend or deform, puncture, or shred.
- Severe impact from dropping any battery-operated device on a hard surface could cause the battery to overheat.
- Do not short circuit a battery or allow metallic or conductive objects to contact the battery terminals.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, or expose to fire, explosion, or other hazard.
- Do not leave or store the equipment in or near areas that might get very hot, such as in a parked vehicle or near a radiator or other heat source. Do not place battery into a microwave oven or dryer.
- Battery usage by children should be supervised.
- Please follow local regulations to promptly dispose of used re-chargeable batteries.
- Do not dispose of batteries in fire.
- Seek medical advice immediately if a battery has been swallowed.
- In the event of a battery leak, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with large amounts of water and seek medical advice.
- If you suspect damage to your equipment or battery, contact Motorola Enterprise Mobility support to arrange for inspection.

In accordance with Clause 5, IEC 825 and EN60825, the following information is provided to the user:

Radio Frequency Interference Requirements-FCC

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio

communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

Radio Transmitters (Part 15) - USA

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Radio Frequency Interference Requirements - Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Radio Transmitters - Canada

This device complies with RSS 210 of Industry & Science Canada. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Label Marking: The Term “IC:” before the radio certification only signifies that Industry Canada technical specifications were met.

CE Marking and European Economic Area (EEA)

Bluetooth® Wireless Technology for use through the EEA has the following restrictions:

- Maximum radiated transmit power of 100mW EIRP in the frequency range 2.400 -2.4835 GHz.
- France, outside usage is restricted to 10mW EIRP.
- Italy requires a user license for outside usage.

Statement of Compliance for Wireless Devices

Motorola hereby, declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A Declaration of Conformity may be obtained from www.motorola.com/enterprisemobility/doc.

Japan (VCCI) - Voluntary Control Council for Interference

Class B ITE

この装置は、情報処理装置等電波障害自主規制協議会（ＶＣＣＩ）の基準に基づくクラスＢ情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。 取扱説明書に従って正しい取り扱いをして下さい。

This is a Class B product based on the standard of the Voluntary Control Council for Interference from Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

Korea Warning Statement for Class B ITE

기 종 별	사용자 안내문
B 급 기기	이 기기는 가정용으로 전자파 적합등록을 한 기기이오니 주거지역에서는 물론 모든 지역에서 사용할 수 있습니다 .

Class	User's Guide
B class	As this equipment has obtained EMC registration for household use, it can be used in any area including residential areas.

Other Countries

Declarações Regulamentares para RS507 - Brazil

Note: The certification mark applied to the RS507 is for Restrict Radiation Equipment. This equipment operates on a secondary basis and does not have the right for protection against harmful interference from other users including same equipment types. Also this equipment must not cause interference to systems operating on primary basis.

For more information consult the website www.anatel.gov.br.

Nota: "A marca de certificação se aplica ao Transceptor, modelo RS507. Este equipamento opera em caráter secundário, isto é, não tem direito a proteção

contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário."

Para maiores informações sobre ANATEL consulte o site: www.anatel.gov.br.

Mexico

Restrict Frequency Range to: 2.450 - 2.4835 GHz.

Sri Lanka- Restrict Frequency Range to: 2.400 - 2.430 GHz.

Taiwan - 臺灣

低功率電波輻射性電機管理辦法

第十二條

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

限制頻率範圍是： 2.400 - 2.4835 GHz。 最大發射功率 : 27dBm

5.250 - 5.350 GHz。
5.725 - 5.850 GHz。

2.4GHz: 11 個通道

50 GHz

Korea

당해 무선설비는 운용 중 전파혼신 가능성이 있음

당해 무선설비는 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없습니다.

Waste Electrical and Electronic Equipment (WEEE)

English: For EU Customers: All products at the end of their life must be returned to Motorola for recycling. For information on how to return product, please go to: www.motorola.com/recycling/weee.

Bulgarish: За клиенти от ЕС: След края на полезния им живот всички продукти трябва да се връщат на Motorola за рециклиране. За информация

относно връщането на продукти, моля отидете на адрес: www.motorola.com/recycling/weee.

Čeština: Pro zákazníky z EU: Všechny produkty je nutné po skončení jejich životnosti vrátit společnosti Motorola k recyklaci. Informace o způsobu vrácení produktu najdete na webové stránce: www.motorola.com/recycling/weee

Dansk: Til kunder i EU: Alle produkter skal returneres til Motorola til recirkulering, når de er udtjent. Læs oplysningerne om returnering af produkter på: www.motorola.com/recycling/weee.

Deutsch: Für Kunden innerhalb der EU: Alle Produkte müssen am Ende ihrer Lebensdauer zum Recycling an Motorola zurückgesandt werden. Informationen zur Rücksendung von Produkten finden Sie unter www.motorola.com/recycling/weee.

Eesti: EL klientidele: kõik tooted tuleb nende eluea lõppedes tagastada taaskasutamise eesmärgil Motorola'ile. Lisainformatsiooni saamiseks toote tagastamise kohta külastage palun aadressi: www.motorola.com/recycling/weee.

Español: Para clientes en la Unión Europea: todos los productos deberán entregarse a Motorola al final de su ciclo de vida para que sean reciclados. Si desea más información sobre cómo devolver un producto, visite: www.motorola.com/recycling/weee.

Ελληνικά: Για πελάτες στην Ε.Ε.: Όλα τα προϊόντα, στο τέλος της διάρκειας ζωής τους, πρέπει να επιστρέφονται στην Motorola για ανακύκλωση. Για περισσότερες πληροφορίες σχετικά με την επιστροφή ενός προϊόντος, επισκεφθείτε τη διεύθυνση

www.motorola.com/recycling/weee.

Français: Clients de l'Union Européenne: Tous les produits en fin de cycle de vie doivent être retournés à Motorola pour recyclage. Pour de plus amples informations sur le retour de produits, consultez: www.motorola.com/recycling/weee.

Italiano: per i clienti dell'UE: tutti i prodotti che sono giunti al termine del rispettivo ciclo di vita devono essere restituiti a Motorola al fine di consentirne il riciclaggio. Per informazioni sulle modalità di restituzione, visitare il seguente sito Web: www.motorola.com/recycling/weee.

Latviešu: ES klientiem: visi produkti pēc to kalpošanas mūža beigām ir jānogādā atpakaļ Symbol otrreizējai pārstrādei. Lai iegūtu informāciju par produktu nogādāšanu Motorola, lūdzu, www.motorola.com/recycling/weee

Lietuvių: ES vartotojams: visi gaminiai, pasibaigus jų eksploatacijos laikui, turi būti grąžinti utilizuoti į kompaniją „Motorola“. Daugiau informacijos, kaip grąžinti gaminį, rasite:

www.motorola.com/recycling/weee.

Magyar: Az EU-ban vásárlóknak: Minden tönkrement terméket a Motorola vállalathoz kell eljuttatni újrahasznosítás céljából. A termék visszajuttatásának módjával kapcsolatos tudnivalókért látogasson el a www.motorola.com/recycling/weee weboldalra..

Malti: Għal klijenti fl-UE: il-prodotti kollha li jkunu waslu fl-aħħar tal-ħajja ta' l-użu tagħhom, iridu jiġu rritornati għand Motorola għar-riċiklaġġ. Għal aktar tagħrif dwar kif għandek tirritorna l-prodott, jekk jogħġbok żur: www.motorola.com/recycling/weee

Nederlands: Voor klanten in de EU: alle producten dienen aan het einde van hun levensduur naar Motorola te worden teruggezonden voor recycling. Raadpleeg www.motorola.com/recycling/weee voor meer informatie over het terugzenden van producten.

Polski: Klienci z obszaru Unii Europejskiej: Produkty wycofane z eksploatacji należy zwrócić do firmy Motorola w celu ich utylizacji. Informacje na temat zwrotu produktów znajdują się na stronie internetowej www.motorola.com/recycling/weee

Português: Para clientes da UE: todos os produtos no fim de vida devem ser devolvidos à Motorola para reciclagem. Para obter informações sobre como devolver o produto, visite: www.motorola.com/recycling/weee.

Românesc: Pentru clienții din UE: Toate produsele, la sfârşitul duratei lor de funcționare, trebuie returnate la Motorola pentru reciclare. Pentru informații despre returnarea produsului, accesați: www.motorola.com/recycling/weee.

Slovenski: Za kupce v EU: vsi izdelki se morajo po poteku življenjske dobe vrniti podjetju Motorola za reciklažo. Za informacije o vraèilu izdelka obišèite: www.motorola.com/recycling/weee.

Slovenčina: Pre zákazníkov z krajín EU: Všetky výrobky musia byť po uplynutí doby ich životnosti vrátené spoločnosti Motorola na recykláciu. Bližšie informácie o vrátení výrobkov nájdete na: www.motorola.com/recycling/weee

Suomi: Asiakkaat Euroopan unionin alueella: Kaikki tuotteet on palautettava kierrätettäväksi Motorola-yhtiöön, kun tuotetta ei enää käytetä. Lisätietoja tuotteen palauttamisesta on osoitteessa www.motorola.com/recycling/weee.

Svenska: För kunder inom EU: Alla produkter som uppnått sin livslängd måste returneras till Motorola för återvinning. Information om hur du returnerar produkten finns på www.motorola.com/recycling/weee.

Service Information

If you have a problem using the equipment, contact your facility's Technical or Systems Support. If there is a problem with the equipment, they will contact the Motorola Enterprise Mobility Support at:

www.motorola.com/enterprisemobility/support.

For the latest version of this guide go to:

www.motorola.com/enterprisemobility/manuals.

MOTOROLA

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